

AMENDMENTS TO THE CLAIMS:

Please cancel Claims 3 through 6, 10, and 11 without prejudice to or disclaimer of the subject matter recited therein.

Please amend Claims 1, 2, 7 through 9, 12, and 13 as follows:

1. (Currently Amended) ~~A solid-state image pickup device for an~~ An auto-focus sensor comprising:

first and second linear sensor pairs, each having a linear sensor for a base portion with a plurality of pixels and a linear sensor for a reference portion with a plurality of pixels, in order to perform a focal point detection of a ~~TTL passive-type phase detection system~~ phase difference detecting type,

wherein said first linear sensor pair and said second linear sensor pair have a same pixel pitch, wherein said first linear sensor pair and said second linear sensor pair are neighboring in parallel and are arranged so as to be relatively deviated in the arranging direction of said linear sensor for the base portion and said linear sensor for the reference portion, ~~and~~ wherein a signal output to detect the focal point is executed by using both of said first linear sensor pair and said second linear sensor pair, wherein there is no light shielding layer between photoelectric converting devices of said first linear sensor pair and said second linear sensor pair, wherein said first linear sensor pair and said second linear sensor pair are arranged to be shifted from each other so that a photosensing unit of a pixel of said first linear sensor pair is adjacent to an element isolation region included in said second linear sensor pair, and wherein said first

linear sensor pair and said second linear sensor pair are adjacent so that an object image is focused on both of photosensing units of the pixels of said first and second linear sensor pairs;

a third linear sensor pair arranged in a direction which perpendicularly crosses said first and second linear sensor pairs; and

a fourth linear sensor pair having a base-line length larger than that of said third linear sensor pair.

wherein said fourth linear sensor pair is arranged outside of said third linear sensor pair in a direction of the base-line length.

wherein said third linear sensor pair and said fourth linear sensor pair are arranged on the same straight line.

wherein said first to fourth linear sensor pairs independently control an accumulation time of photo charges of a photoelectric converting element constructing a pixel, and

wherein said photoelectric converting element is an amplifying type of which accumulation time is controlled in real-time.

2. (Currently Amended) A ~~device~~ sensor according to claim 1, wherein a deviation amount between said first linear sensor pair and said second linear sensor pair is approximately equal to ~~almost~~ 0.5 pixel.

3 - 6. (Cancelled)

7. (Currently Amended) A ~~solid-state image pickup device for an auto-focus for~~ executing sensor according to claim 1, wherein a multi-point detection with respect to a plurality

of object positions is executed, ~~wherein~~ and a sensor for auto-focusing the object of at least the center of a display screen includes said first and second linear sensor pairs, ~~according to claim 1.~~

8. (Currently Amended) A ~~solid-state image pickup device for an auto-focus for~~ executing sensor according to claim 1, ~~wherein~~ and a multi-point detection with respect to a plurality of object positions is executed, ~~wherein~~ and a sensor for auto-focusing the object of at least the center of a display screen includes said first to fourth linear sensor pairs, ~~according to claim 5.~~

9. (Currently Amended) A ~~device~~ sensor according to claim 1, wherein all of said linear sensor pairs have a the same pixel shape.

10 - 11. (Cancelled)

12. (Currently Amended) A ~~device~~ sensor according to claim ~~11~~ 1, wherein said ~~solid-state image pickup device~~ sensor is a CMOS type ~~solid-state image pickup device~~ sensor which can be manufactured by a CMOS process.

13. (Currently Amended) An auto-focus camera having the ~~solid-state image pickup device for the auto-focus~~ auto-focus sensor according to claim 1.